

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| L1 | 0 | eigenvector\$1 and waveform\$1.clm. and periodic.clm. and frequenc\$4.clm. and mass\$4.clm. | US-PGPUB; USPAT | OR | OFF | 2011/08/11 02:15 |
| L2 | 0 | eigenvector\$1 and waveform\$1.clm. and periodic.clm. and frequenc\$4.clm. and mass\$4.clm. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/08/11 02:15 |
| L3 | 0 | eigen\$1vector\$1 and waveform\$1.clm. and periodic.clm. and frequenc\$4.clm. and mass\$4.clm. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/08/11 02:15 |
| L4 | 3 | Asai.in. and Nobuaki and waveform\$1 | USPAT | OR | OFF | 2011/08/11 02:16 |
| L5 | 5 | Asai.in. and Nobuaki and waveform\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/08/11 02:16 |
| L6 | 0 | Asai.in. and Nobuaki and eigen\$1vector\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/08/11 02:16 |
| S1 | 1 | ("20070139750").PN. | US-PGPUB; USPAT | OR | OFF | 2010/03/05 11:53 |
| S2 | 1993 | "359"/\$.cols. and scanner\$1.clm. | US-PGPUB; USPAT | OR | OFF | 2010/03/05 12:15 |
| S3 | 1432 | "359"/\$.cols. and scanner\$1.clm. | USPAT | OR | OFF | 2010/03/05 12:15 |
| S4 | 321 | "359"/\$.cols. and (scan\$5.clm. adj mirror\$1) | USPAT | OR | OFF | 2010/03/05 12:15 |

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| S5 | 146 | "359"/\$.cols. and (scan\$5.clm. adj mirror\$1) and oscillat\$4 | USPAT | OR | OFF | 2010/03/05 12:16 |
| S6 | 67 | "359"/\$.cols. and (scan\$5.clm. adj mirror\$1) and oscillat\$4. clm. | USPAT | OR | OFF | 2010/03/05 12:17 |
| S8 | 195 | "359"/\$.cols. and (scanner\$1.clm. or (scan\$5.clm. adj mirror \$1)) and oscillat\$4.clm. | USPAT | OR | OFF | 2010/03/05 12:48 |
| S9 | 7 | Asai.in. and Nobuaki and scanner\$1 | USPAT | OR | OFF | 2010/03/05 13:48 |
| S10 | 5 | ("20010036000" "20030072066" "5629790" "5969465" "7446911").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/05 13:48 |
| S11 | 3 | "19728598" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/05 13:52 |
| S12 | 107 | FUNK.in. and KARSTEN | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/05 14:17 |
| S13 | 33 | FUNK.in. and KARSTEN | USPAT | OR | OFF | 2010/03/05 14:18 |
| S14 | 4 | ("2001055146").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/05 15:06 |
| S15 | 2 | ("20010055146").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/05 15:06 |

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| S16 | 9 | "10119073" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/05 15:22 |
| S18 | 1 | ("20030211930").PN. | US-PGPUB | OR | OFF | 2010/03/05 15:24 |
| S20 | 1 | ("6975442").PN. | USPAT | OR | OFF | 2010/03/05 15:24 |
| S21 | 2 | "9844571" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/05 15:28 |
| S22 | 0 | (oscillator same triangular same (symmetric or asymmetric)) and (scanner\$1.clm. or (scanning near mirror\$1)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/05 17:53 |
| S23 | 0 | (oscillator\$1 same triangular same (symmetric or asymmetric)) and (scanner\$1.clm. or (scanning near mirror\$1)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/05 17:53 |
| S24 | 0 | (oscillator\$1 same triangular same (symmetric or asymmetric)) and (scanner\$1.clm. or (scanning near mirror\$1)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/05 17:54 |

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| S25 | 2 | oscillator\$1 same triangular same (symmetric or asymmetric) and (scanner\$1 or (scanning near mirror\$1)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/05 17:54 |
| S26 | 8 | oscillator\$1 same waveform same (symmetric or asymmetric) and (scanner\$1 or (scanning near mirror\$1)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/05 17:56 |
| S27 | 2 | damping and oscilat\$4 and (scanner\$1 or (scanning near mirror\$1)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/05 18:47 |
| S28 | 3742 | damping and (scanner\$1 or (scanning near mirror\$1)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/05 18:48 |
| S29 | 492 | damping and (scanner\$1.clm. or (scanning.clm. near mirror \$1)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/05 18:48 |
| S30 | 295 | damping and (scanner\$1.clm. or (scanning.clm. near mirror \$1)) | USPAT | OR | OFF | 2010/03/05 18:49 |
| S31 | 4042 | "359"/\$.CCLS. AND (MIRROR\$1.CLM. or micro\$1mirror\$1.clm.) and spring | US-PGPUB; USPAT | OR | OFF | 2010/03/05 20:18 |
| S32 | 2812 | "359"/\$.CCLS. AND (MIRROR\$1.CLM. or micro\$1mirror\$1.clm.) and spring | USPAT | OR | OFF | 2010/03/05 20:18 |
| S33 | 983 | "359"/\$.CCLS. AND (MIRROR\$1.CLM. or micro\$1mirror\$1.clm.) and spring.clm. | USPAT | OR | OFF | 2010/03/05 20:19 |

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| S34 | 217 | "359"/\$.CCLS. AND (MIRRORS1.CLM. or micro\$1mirror\$1.clm.) and spring.clm. and scan\$9 | USPAT | OR | OFF | 2010/03/05 20:19 |
| S35 | 610 | "359"/\$.CCLS. AND MIRROR\$1.CLM. and (spring same mirror \$1) and scan\$9 | USPAT | OR | OFF | 2010/03/05 20:28 |
| S36 | 311 | "359"/\$.CCLS. AND MIRROR\$1.CLM. and (spring same mirror \$1) and scanner\$1 | USPAT | OR | OFF | 2010/03/05 20:29 |
| S37 | 198 | "359"/\$.CCLS. AND MIRROR\$1.CLM. and (spring same mirror \$1) and (scanning near mirror\$1) | USPAT | OR | OFF | 2010/03/05 20:29 |
| S38 | 10 | ("6618184").URPN. | USPAT | OR | OFF | 2010/03/05 21:07 |
| S39 | 8 | "20020071166" "20020071169" "20020075554" "20020097952" "20020105725" "6377535" "6392220" "6396789").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/03/05 21:07 |
| S40 | 84 | MIRROR\$1.CLM. and (spring same (mirror\$1 and mass\$4)) and (scanning near mirror\$1) | USPAT | OR | OFF | 2010/03/05 21:09 |
| S43 | 4 | 359/290,291,292,295,298,223,224,214,230.CCLS. AND MIRROR\$1.CLM. and (spring same (mirror\$1 and mass\$4)) and (scanning near mirror\$1) | US-PGPUB | OR | OFF | 2010/03/06 13:17 |
| S44 | 9 | 359/290,291,292,295,298,223,224,214,230.CCLS. AND MIRROR\$1.CLM. and (spring same (mirror\$1 and mass\$4)) and (scanning near mirror\$1) | USPAT | OR | OFF | 2010/03/06 13:17 |
| S45 | 4 | 359/290,291,292,295,298,223,224,214,230.CCLS. AND MIRROR\$1.CLM. and (spring\$1 same (mirror\$1 and mass\$4)) and (scanning near mirror\$1) | US-PGPUB | OR | OFF | 2010/03/06 13:17 |
| S46 | 9 | 359/290,291,292,295,298,223,224,214,230.CCLS. AND MIRROR\$1.CLM. and (spring\$1 same (mirror\$1 and mass\$4)) and (scanning near mirror\$1) | USPAT | OR | OFF | 2010/03/06 13:17 |
| S47 | 94 | 359/290,291,292,295,298,223,224,214,230.CCLS. AND MIRROR\$1.CLM. and ((mirror\$1 MASS mass\$4)) and (scanning near mirror\$1) | USPAT | OR | OFF | 2010/03/06 13:18 |
| S48 | 22 | 359/290,291,292,295,298,223,224,214,230.CCLS. AND MIRROR\$1.CLM. and ((mirror\$1 SAME mass\$4)) and (scanning near mirror\$1) | USPAT | OR | OFF | 2010/03/06 13:18 |

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|-----|---------|---|---|----|-----|---------------------|
| S49 | 13 | 359/290,291,292,295,298,223,224,214,230.CCLS. AND MIRROR\$1.CLM. and ((mirror\$1 SAME mass\$4)) and (scanning near mirror\$1) | US-PGPUB | OR | OFF | 2010/03/06 13:18 |
| S50 | 1 | ("5245463").PN. | USPAT | OR | OFF | 2010/03/06 13:45 |
| S51 | 1076237 | DE "19728598" | USPAT | OR | OFF | 2010/03/15 10:52 |
| S52 | 8563809 | DE "19728598" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/15 10:52 |
| S53 | 1 | DE19728598 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/03/15 10:52 |
| S54 | 107 | FUNK.in. and KARSTEN | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/09/11 09:51 |
| S55 | 9 | FUNK.in. and KARSTEN and Micromechanical and mirror | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/09/11 09:52 |
| S56 | 1 | DE19728598 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/09/11 09:53 |

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| S57 | 1 | ("20070139750").PN. | US-PGPUB | OR | OFF | 2010/09/11 14:31 |
| S58 | 0 | de10119073 | US-PGPUB; USPAT | OR | OFF | 2010/09/11 14:43 |
| S59 | 1 | de10119073 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/09/11 14:43 |
| S60 | 145 | GESSNER.in. and THOMAS | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/09/11 14:43 |
| S61 | 15 | GESSNER.in. and THOMAS and laser | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/09/11 14:44 |
| S62 | 4 | GESSNER.in. and THOMAS and oscillator\$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/26 15:09 |
| S63 | 3 | geometric\$1 adj waveform.clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/26 18:10 |

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| S64 | 3 | geometric adj waveform.clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/26 18:10 |
| S65 | 3 | geometric adj waveform\$1.clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/26 18:10 |
| S66 | 3 | (geometric adj waveform\$1.clm.) and (geometric adj waveform\$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/26 18:12 |
| S67 | 3 | (geometric adj wave\$1form\$1.clm.) and (geometric adj waveform\$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/26 18:14 |
| S68 | 3 | (geometric adj wave\$1form\$1.clm.) and (geometric adj wave \$1form\$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/26 18:14 |
| S69 | 2 | S68 and (non\$1sinusoidal or triangle\$1 or square) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/26 18:14 |

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| S70 | 25316 | waveform\$1 with (non\$1sinusoidal or triangle\$1 or square) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/26 18:24 |
| S71 | 1 | ("4001658").PN. | USPAT | OR | OFF | 2010/11/26 18:39 |
| S76 | 1 | Frenk.in. and Helmuth and (non adj sinusoidal) and triangular and sym\$10 | US-PGPUB; USPAT | OR | OFF | 2010/11/26 19:05 |
| S77 | 1713 | damp\$4 and couple and (oscillator\$1 or oscillating) and (sinusoidal or (non adj sinusoidal) or triangular) | US-PGPUB; USPAT | OR | OFF | 2010/11/26 19:47 |
| S78 | 413 | damp\$4 with coupled) and (oscillator\$1 or oscillating) and sinusoidal or (non adj sinusoidal) or triangular) | US-PGPUB; USPAT | OR | OFF | 2010/11/26 19:47 |
| S79 | 249 | (damp\$4 with coupled) and (oscillator\$1 or oscillating) and sinusoidal or (non adj sinusoidal) or triangular) | USPAT | OR | OFF | 2010/11/26 19:47 |
| S80 | 30 | "73"/\$.ccls. and (damp\$4 with coupled) and (oscillator\$1 or oscillating) and (sinusoidal or (non adj sinusoidal) or triangular) | USPAT | OR | OFF | 2010/11/26 19:48 |
| S81 | 1 | ("4001658").URPN. | USPAT | OR | OFF | 2010/11/26 19:56 |
| S82 | 538 | (damp\$4 with coupled) and (oscillator\$1 or oscillating) and sinusoidal or (non adj sinusoidal) or triangular) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/26 19:57 |
| S83 | 249 | (damp\$4 with coupled) and (oscillator\$1 or oscillating) and sinusoidal or (non adj sinusoidal) or triangular) | USPAT | OR | OFF | 2010/11/26 19:58 |
| S84 | 289 | (damp\$4 with coupled) and (oscillator\$1 or oscillating) and sinusoidal or (non adj sinusoidal) or triangular) | US-PGPUB; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/26 20:20 |
| S85 | 39 | 73/862.61 and damp\$4 | USPAT | OR | OFF | 2010/11/26 20:47 |

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|-----|-----|---|---|----|-----|---------------------|
| S86 | 800 | mechanical adj oscillator\$1 | USPAT | OR | OFF | 2010/11/26 20:49 |
| S87 | 265 | S86 and damp\$9 | USPAT | OR | OFF | 2010/11/26 20:50 |
| S88 | 206 | S86 and damp\$9 and mass\$4 | USPAT | OR | OFF | 2010/11/26 20:50 |
| S89 | 18 | S86 and (damp\$9 with couple\$4) | USPAT | OR | OFF | 2010/11/26 20:51 |
| S90 | 28 | S86 and (damp\$9 with coupl\$6) | USPAT | OR | OFF | 2010/11/26 20:51 |
| S91 | 249 | (damp\$4 with coupled) and (oscillator\$1 or oscillating) and (sinusoidal or (non adj sinusoidal) or triangular) | USPAT | OR | OFF | 2010/11/26 20:52 |
| S93 | 865 | (damp\$4 with coupl\$7) and (oscillator\$1 or oscillating) and (sinusoidal or (non adj sinusoidal) or triangular) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/27 00:17 |
| S94 | 87 | "73"/\$.ccls. and (damp\$4 with coupl\$7) and (oscillator\$1 or oscillating) and (sinusoidal or (non adj sinusoidal) or triangular) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/27 00:19 |
| S95 | 464 | (damp\$4 with coupl\$7) and (oscillator\$1 or oscillating) and (sinusoidal or (non adj sinusoidal) or triangular) and mass | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/27 00:35 |
| S96 | 472 | (damp\$4 with coupl\$7) and (oscillator\$1 or oscillating) and (sinusoidal or (non adj sinusoidal) or triangular) and mass\$2 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/27 00:35 |

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| S97 | 219 | damp\$4 with coupl\$7) and (oscillator\$1 or oscillating) and sinusoidal or (non adj sinusoidal) or triangular) and mass\$2 | USPAT | OR | OFF | 2010/11/27 00:35 |
| S98 | 131 | damp\$4 with coupled) and (oscillator\$1 or oscillating) and sinusoidal or (non adj sinusoidal) or triangular) and mass\$2 | USPAT | OR | OFF | 2010/11/27 00:36 |
| S99 | 452 | (damp\$4 same coup\$4) and (oscillator\$1 or oscillating) and sinusoidal or (non adj sinusoidal) or triangular) and mass\$2 | USPAT | OR | OFF | 2010/11/27 00:59 |
| S100 | 452 | (damp\$4 same coup\$5) and (oscillator\$1 or oscillating) and sinusoidal or (non adj sinusoidal) or triangular) and mass\$2 | USPAT | OR | OFF | 2010/11/27 00:59 |
| S101 | 24 | "318"/\$.cols. and (damp\$4 same coup\$5) and (oscillator\$1 or oscillating) and (sinusoidal or (non adj sinusoidal) or triangular) and mass\$2 | USPAT | OR | OFF | 2010/11/27 00:59 |
| S102 | 67 | "318"/\$.cols. and (damp\$4 same coup\$5) and (oscillator\$1 or oscillating) and mass\$2 | USPAT | OR | OFF | 2010/11/27 01:04 |
| S103 | 43 | S102 not S101 | USPAT | OR | OFF | 2010/11/27 01:04 |
| S104 | 289 | damp\$4 with coupled) and (oscillator\$1 or oscillating) and sinusoidal or (non adj sinusoidal) or triangular) | US_PGPUB; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/27 01:12 |
| S105 | 128 | waveform\$1 with triangle\$1) and (waveform\$1 with (symmetric or asymmetric)) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/27 12:14 |
| S106 | 84 | S105 and (oscillator\$1 or oscillating) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/27 12:14 |

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| S107 | 65 | S106 and mass\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/27 12:15 |
| S112 | 1 | waveform\$1 with triangular) and (waveform\$1 same assymetric) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/27 12:22 |
| S114 | 438 | waveform\$1 with triangular) and asymmetric | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/27 12:42 |
| S115 | 128 | waveform\$1 with triangular) and (waveform with assymetric) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/27 12:42 |
| S116 | 76 | (waveform\$1 with triangular) and (waveform with assymetric) | USPAT | OR | OFF | 2010/11/27 12:43 |
| S117 | 32 | (waveform\$1 with triangular) and (waveform with assymetric) and mass\$3 | USPAT | OR | OFF | 2010/11/27 12:43 |
| S118 | 32 | waveform\$1 near3 triangular) and (waveform with assymetric) and mass\$3 | USPAT | OR | OFF | 2010/11/27 13:50 |
| S119 | 29 | waveform\$1 near3 triangular) and (waveform near3 assymetric) and mass\$3 | USPAT | OR | OFF | 2010/11/27 13:50 |
| S120 | 7 | waveform\$1 near3 triangular) and (waveform near3 assymetric) and mass\$3.clm. | USPAT | OR | OFF | 2010/11/27 14:31 |

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| S121 | 13 | geometric\$1 adj waveform | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/27 14:58 |
| S122 | 0 | ("2007/0139750").URPN. | USPAT | OR | OFF | 2010/11/27 15:03 |
| S123 | 0 | waveform\$1 near3 triangular) and (waveform near3 (non adj symmetric)) and mass\$3.clm. | USPAT | OR | OFF | 2010/11/27 15:04 |
| S124 | 0 | waveform\$1 with triangular) and (waveform with (non adj symmetric)) and mass\$3.clm. | USPAT | OR | OFF | 2010/11/27 15:05 |
| S125 | 1 | waveform\$1 with triangular) and (waveform with (non adj symmetric)) and mass\$3 | USPAT | OR | OFF | 2010/11/27 15:05 |
| S126 | 0 | ("2007/0139750").URPN. | USPAT | OR | OFF | 2010/11/27 15:05 |
| S127 | 32 | (waveform\$1 with triangular) and (waveform with asymmetric) and mass\$3 | USPAT | OR | OFF | 2010/11/27 15:08 |
| S128 | 7 | (waveform\$1 with triangular) and (waveform with asymmetric) and mass\$3 and oscillator | USPAT | OR | OFF | 2010/11/27 15:08 |
| S129 | 9 | (waveform\$1 with triangular) and (waveform with asymmetric) and mass\$3 and oscillator\$2 | USPAT | OR | OFF | 2010/11/27 15:08 |
| S130 | 8 | (waveform\$1 with triangular) and (waveform with symmetric) and mass\$3 and oscillator\$2 | USPAT | OR | OFF | 2010/11/27 15:33 |
| S131 | 1483 | scan\$9 and (oscillat\$5) and waveform and asymmetric | US-PGPUB; USPAT | OR | OFF | 2010/11/27 15:55 |
| S132 | 1483 | scan\$9 and (oscillat\$5) and (waveform and asymmetric) | US-PGPUB; USPAT | OR | OFF | 2010/11/27 15:55 |
| S133 | 250 | scan\$9 and (oscillat\$5) and (waveform with asymmetric) | US-PGPUB; USPAT | OR | OFF | 2010/11/27 15:55 |
| S134 | 128 | scan\$9 and oscillat\$5 and (waveform with asymmetric) | USPAT | OR | OFF | 2010/11/27 15:55 |
| S135 | 20 | scan\$9 and oscillat\$5 and (waveform with asymmetric) and triangular | USPAT | OR | OFF | 2010/11/27 15:56 |

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|------|------|--|---|----|-----|---------------------|
| S136 | 1666 | asymmetric with wave\$1form\$1 | US-PGPUB; USPAT | OR | OFF | 2010/11/27 16:17 |
| S137 | 439 | oscillator\$1 and (asymmetric with wave\$1form\$1) | US-PGPUB; USPAT | OR | OFF | 2010/11/27 16:17 |
| S138 | 139 | oscillator\$1 and (asymmetric with wave\$1form\$1) and mass \$4 | US-PGPUB; USPAT | OR | OFF | 2010/11/27 16:18 |
| S139 | 75 | oscillator\$1 and (asymmetric with wave\$1form\$1) and mass \$4 | USPAT | OR | OFF | 2010/11/27 16:18 |
| S140 | 17 | oscillator\$1 and (asymmetric with wave\$1form\$1) and scanner \$1 | USPAT | OR | OFF | 2010/11/27 16:19 |
| S141 | 52 | oscillator\$1 and (asymmetric with wave\$1form\$1) and scanning | USPAT | OR | OFF | 2010/11/27 16:19 |
| S142 | 34 | oscillator\$1 and (asymmetric with wave\$1form\$1) and scan | USPAT | OR | OFF | 2010/11/27 16:19 |
| S143 | 19 | "20010022566" "20030011751" "20040080718" "20050232533" "20060018609" "20060279663" "20060279664" "20080198471" "5045983" "5767924" "5802222" "5848211" "5920361" "6218679" "6295154" "6480325" "6501530" "6590606" "6736517").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/11/27 16:21 |
| S144 | 128 | (waveform\$1 with triangle\$1) and (waveform\$1 with symmetric) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/11/27 17:07 |
| S145 | 218 | eigenvector\$1 and waveform\$1 and oscillator\$1 | US-PGPUB; USPAT | OR | OFF | 2011/08/10 15:34 |
| S146 | 218 | eigenvector\$1 and waveform\$1 and oscillator\$1 | US-PGPUB; USPAT | OR | ON | 2011/08/10 15:34 |
| S147 | 597 | eigenvector\$1 and oscillator\$1 | US-PGPUB; USPAT | OR | ON | 2011/08/10 16:21 |
| S148 | 209 | "359"/\$.cols. and (scanner\$1.clm. or (scan\$5.clm. adj mirror \$1)) and oscillat\$4.clm. | USPAT | OR | OFF | 2011/08/10 16:21 |
| S149 | 1 | S147 and S148 | USPAT | OR | OFF | 2011/08/10 16:21 |

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|------|-----|---|---|----|-----|---------------------|
| S150 | 1 | S147 and S148 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/08/10 16:21 |
| S151 | 306 | "359"/\$cols. and (scanner\$1.clm. or (scan\$5.clm. adj mirror \$1)) and oscillat\$4.clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/08/10 17:53 |
| S152 | 2 | S147 and S151 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/08/10 17:53 |
| S153 | 1 | geometric\$1 waveform\$1 and oscillator\$1 and eigenvector\$1 and eigenvalue\$1 and frequency and mass\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/10 17:55 |
| S154 | 0 | 359/290 and waveform\$1 and oscillator\$1 and eigenvector\$1 and eigenvalue\$1 and frequency and mass\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/11 00:41 |
| S155 | 0 | 359/29 and waveform\$1 and oscillator\$1 and eigenvector\$1 and eigenvalue\$1 and frequency and mass\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/11 00:41 |

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|------|---|--|---|----|----|---------------------|
| S156 | 0 | 359/291 and waveform\$1 and oscillator\$1 and eigenvector\$1 and eigenvalue\$1 and frequency and mass\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/11 00:41 |
| S157 | 0 | 359/292 and waveform\$1 and oscillator\$1 and eigenvector\$1 and eigenvalue\$1 and frequency and mass\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/11 00:41 |
| S158 | 0 | 359/295 and waveform\$1 and oscillator\$1 and eigenvector\$1 and eigenvalue\$1 and frequency and mass\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/11 00:41 |
| S159 | 0 | 359/298 and waveform\$1 and oscillator\$1 and eigenvector\$1 and eigenvalue\$1 and frequency and mass\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/11 00:41 |
| S160 | 1 | 359/223 and waveform\$1 and oscillator\$1 and eigenvector\$1 and eigenvalue\$1 and frequency and mass\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/11 00:41 |
| S161 | 0 | 359/224 and waveform\$1 and oscillator\$1 and eigenvector\$1 and eigenvalue\$1 and frequency and mass\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/11 00:42 |

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|------|---|--|---|----|----|---------------------|
| S162 | 0 | 359/214 and waveform\$1 and oscillator\$1 and eigenvector\$1 and eigenvalue\$1 and frequency and mass\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/11 00:42 |
| S163 | 0 | 359/230 and waveform\$1 and oscillator\$1 and eigenvector\$1 and eigenvalue\$1 and frequency and mass\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/11 00:42 |
| S164 | 0 | 359/230 and waveform\$1 and oscillator\$1 and eigenvector\$1 and frequency and mass\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/11 00:42 |
| S165 | 1 | "359"/\$.cols. and waveform\$1 and oscillator\$1 and eigenvector\$1 and frequency and mass\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/11 00:43 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|-----------------------|------------------|---------|------------------|
| L7 | 0 | eigen\$1vector\$1 and waveform\$1.clm. and periodic.clm. and frequenc\$4.clm. and mass\$4.clm. | US-PGPUB; USPAT; UPAD | OR | OFF | 2011/08/11 02:16 |
| L8 | 0 | eigenvector\$1 and waveform\$1.clm. and periodic.clm. and frequenc\$4.clm. and mass\$4.clm. | USPAT; UPAD | OR | OFF | 2011/08/11 02:17 |

8/11/11 2:17:32 AM

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